



## Ark Atwood Computing Overview

Developed utilising Purple Mash 2Simple software: <https://2simple.com/purple-mash>

### Vision:

ARK Atwood is committed to delivering the three strands (Computer Science, Information Technology, Digital Literacy) of the Computing curriculum to ensure our pupils can thrive in an increasingly digital world. Pupils learn the principles of Computer Science and develop the skills to create their own applications. We want our pupils to create meaningful projects throughout their time and have ownership over what they create.

In addition to the following units, pupils have the opportunity to use computers in cross-curricular settings and are provided a log-in to use at home.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b>	<i>Early Learning Goals: Understanding the World: "Technology" (Mini Mash / Bee Bots / Busy Things / Laptops / Interactive White Board) Using programmable toys; Operating simple programmes; Understanding technology; Selecting technology for different uses</i>					
<b>Y1</b>	Online Safety and Exploring Purple Mash (2Type, Games)  Grouping and Sorting (2Quiz)	Animated Stories (2Create a Story)  Maze Explorers (2Go)	Coding (2Code)	Online Safety and Exploring Purple Mash (2Type, Games)  Grouping and Sorting (2Quiz)	Animated Stories (2Create a Story)  Maze Explorers (2Go)	Coding (2Code)
<b>Y2</b>	Using the Keyboard and Exploring Purple Mash (2Type, Games)	Questioning (2Question, 2Calculate, 2Investigate)  Spreadsheets (2Calculate)	Online Safety (2Respond)  Effective Searching (2Quiz)	Presenting Ideas (2Connect, 2 Create a Story)	Creating Pictures (2Paint a Picture)	Coding (2Code)  Making Music (2Sequence)
<b>Y3</b>	Touch Typing (2Type) Email (2Email)	Spreadsheets (2Calculate)	Online Safety (2Connect, 2Blog)	Graphing (2Graph) Simulations (2Simulate)	Coding (2Code)	Branching databases (2Question)
<b>Y4</b>	Touch Typing (2Type)	Writing for different audiences (2Simulate, 2Publish Plus)	Online Safety  Effective Searching (2Quiz, 2Connect)	Logo: Text based coding (2Logo)	Coding (2Code)	Hardware Investigators (2Quiz)  Animation (2Animate)
<b>Y5</b>	Spreadsheets (2Calculate)	Databases (2Investigate)	Online Safety (2Connect and 2Publish Plus)	Game Creator (2DIY 3D)	Coding (2Code)	Concept Maps (2Connect)  3D Modelling (2Design&Make)
<b>Y6</b>	Online Safety (2DIY 3D) Blogging (2Blog)	Networks (2Connect)	Spreadsheets (2Calculate)	Text Adventure (2Code)	Quizzing (2Quiz)	Computing Coding Workshop